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Te parent	ANSMITTAL	LETTER		•	Docket Numb	er:	
Application 10/747,	1	Filing Date: 12/29/2003		Examiner: Group Art Unit: Peter B. Kim 2851			
Invention: IM	PRINT LITHO	GRAPHY TE	MPLATE CO	OMPRISING A	LIGNMENT	MARKS	
TO THE CO	MMISSIONER	FOR PATEN	TS:			•	
Transmitt	ted herewith are	the following of	locuments in t	he above-identifi	ed application	. The fee has	
been calculate	d as shown belo	w.	<del></del>				
	Office Action statutory perior Information I	reby made unde of to an od of: mo Disclosure State: 49 (4 page(s)),	d through onth(s) ( pagment (6 page(	6(a) to extend the , comprising ange(s)), s)), including Tra 10 cited reference	n extension of nsmittal (2 pa	the shortened	
	-	CLA	IMS AS AME	NDED			
	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	NO. OF EXTRA CLAIMS PRESENT	RATE	ADDITIONAL FEE	
TOTAL CLAIMS	n/a	MINUS			\$18.00	\$ 0	
INDEP. CLAIMS	n/a	MINUS			\$86.00	\$0	
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date /	/ /			Kenneth C. B Reg. No. 3839 Legal Departm Molecular Imp P.O. Box 8153 Austin, Texas Telephone: 512 Facsimile: 512	93 ent rints, Inc. 6 78708-1536 2-339-7760, ext.	. 243	
I hereby certif Service with s	fy that this correspond sufficient postage as fi 3 - $\omega$ Y	lence is being facsimi	nvelope addressed —	SION/MAILING be USPTO or deposited to the Commissioner for the Commissio	with the United State Ratents on	es Postal	

INSTHE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Sreenivasan et al.

Serial No.: 10/747,795 GPAU: 2851

Filing Date: 12/29/2003 Examiner: Peter B. Kim

Dkt. No.: PA96-38D13 Conf. No.: 6437

For: IMPRINT LITHOGRAPHY TEMPLATE COMPRISING ALIGNMENT MARKS

## INFORMATION DISCLOSURE STATEMENT TRANSMITTAL

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

## Sir:

The following information is submitted in compliance with Applicants' duty of disclosure and pursuant to 37 C.F.R. § 1.56, § 1.97 and § 1.98. The undersigned brings the patents, publications, applications or other information identified in the attached:

$\boxtimes$	Form(s)	PTO/SB/08A	and/or	PTO/SB/08B	or	PTO/1449
	Other:					

to the Examiner's attention in the above-identified application. It is respectfully requested that the cited information be expressly considered during the prosecution of this application,

and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

## FEES DUE

This Information Disclosure Statement is being filed:

within three months of the filing date of a national application or within three months of entry of the national stage as set forth in § 1.491 in an international application. Therefore, no fee is required.

09/16/2004 YPOLITE1 00000075 502650 10747795 01 FC:1806 180.00 DA

before the mailing date of a first Office action on the merits or before the mailing date of a first Office action after the filing of a request for continued examination under § 1.114. Therefore, no fee is believed required.
during the period specified in § 1.97(c). Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application not more than three months prior to the filing of this Information Disclosure Statement.
during the period specified in § 1.97(c). Accordingly, the fee set forth in § 1.17(p) is required and provided as shown on the attached Fee Transmittal.
during the period specified in § 1.97(d). Accordingly, the fee set forth in § 1.17(p) is required and provided as shown on the attached Fee Transmittal.  Additionally, no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of the information disclosure statement.

CERTIFICATE OF TRANSMISSION I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as either First Class Mail or Express Mail, in an envelope addressed to the Commissioner for Patents.

Signed:

Typed Name: Katrina Prati

Date: \_\_\_\_

Respectfully Submitted,

Kenneth C. Brooks,

Reg. No. 38,393

Legal Department

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Attorney Docket Number

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known

Application Number 10/747,795

Filing Date 12/29/2003

First Named Inventor Sreenivasan et al.

Group Art Unit 2851

Examiner Name Kim, Peter B.

PA96-38D13

(use as many sheets as necessary)

Sheet 1 Of 4

**U.S. PATENT DOCUMENTS** U.S. Patent Document Pages, Columns, Lines, Date of Publication of Cite No.1 Name of Patentee or Applicant Examiner Kind Code Where Relevant Cited Document of Cited Document Initials\* Number (if known) Passages or Relevant MM-DD-YYYY Figures Appear D1 3,783,520 King 01-08-1974 2003/0129542 07-10-2003 D<sub>2</sub> **A1** Shih et al. D3 6,383,928 **B**1 05-07-2002 Eissa **B**1 D4 6,329,256 12-11-2001 Ibok **D5** 5,736,424 Prybyla et al. 04-07-1998 D6 5.895,263 Carter et al. 04-20-1999 D7 6,150,231 Muller et al. 11-21-2000 D8 6.274.294 **B1** Hines 08-14-2001 D9 6,391,798 **B1** DeFelice et al. 05-21-2002 D10 6,489,068 В1 Kye 12-03-2002 B2 D11 6,565,928 05-20-2003 Sakamoto et al. 6,646,662 B1 D12 Nebashi et al. 11-11-2003 D13 6,677,252 **B2** Marsh 01-13-2004 6,716,767 B<sub>2</sub> Shih et al. 04-06-2004 D14 2004/0029041 D15 **A1** Shih et al. 02-12-2004 D16 5,907,782 Wu 05-25-1999 D17 Wong 6,635,581 **B2** 10-21-2003 D18 5,700,626 Lee et al. 12-23-1997 D19 6,096,655 Lee et al. 08-01-2000 D20 5,948,570 Kornblit et al. 09-07-1999 D21 6.033.977 Gutsche et al. 03-07-2000 D22 5,198,326 Hashimoto et al. 03-30-1993 D23 4,976,818 Hashimoto et al. 12-11-1990 D24 4,891,303 Garza et al. 01-02-1990 D25 6,703,190 **B2** 03-09-2004 Elian et al. D26 4,737,425 Lin et al. 04-12-1988 D27 5,314,772 Kozicki et al. 05-24-1994 D28 5,169,494 Hashimoto et al. 12-08-1992 5,527,662 D29 Hashimoto et al. 06-18-1996 D30 5.071.694 Uekita et al. 12-10-1991 **B**1 07-27-2004 D31 6,767,983 Fujiyama et al. 6,514,672 B<sub>2</sub> 02-04-2003 D32 Young et al. D33 4,507,331 03-26-1985 Hiraoka D34 4,426,247 Tamamura et al. 01-17-1984 Examiner Date Signature Considered

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449A/PTO				Complete if Known			
				Application Number	10/747,795		
INFO	RMATION D	ISC	LOSURE	Filing Date	12/29/2003		
STAT	STATEMENT BY APPLICANT		First Named Inventor	Sreenivasan et al.			
				Group Art Unit	2851		
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Sheet	2	of	4	Attorney Docket Number	PA96-38D13		

				FOREIGN	PATENT DOCUMENTS			
Examiner Initials*	Cite No.1	Office <sup>3</sup>	Foreign Patent Docume Number <sup>4</sup>		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	۳
	D35	JP	02-92603		Kurikawa et al.	04-03-1990		
	D36	JP	02-24848		Kamio	01-26-1990		
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Examiner	Date	
Signature	 Considered	

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Complete if Known Substitute for form 1449B/PTO 10/747,795 **Application Number** INFORMATION DISCLOSURE 12/29/2003 **Filing Date** STATEMENT BY APPLICANT **First Named Inventor** Sreenivasan et al. **Group Art Unit** 2851 (use as many sheets as necessary) Kim, Peter B. **Examiner Name** Sheet of Attorney Docket Number PA96-38D13

OTHER PRIC	OR ART - I	NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	D37	Abstract of Japenese Patent 02-92603.	
	D38	Translation of Japenese Patent 02-92603.	
	D39	Abstract of Japenese Patent 02-24848.	
	D40	Translation of Japenese Patent 02-24848.	
	D41	HEIDARI et al., "Nanoimprint Lithography at the 6 in. Wafer Scale," Journal of Vacuum Science Technology, Nov/Dec 2000, pp. 3557-3560, vol. B, no. 18(6)/	
	D42	NERAC.COM Retro Search, "Reduction of Dimension of Contact Holes", August 31, 2004	
	D43	NERAC.COM Retro Search, "Trim Etching of Features Formed on an Organic Layer", September 2, 2004	
	D44	NERAC.COM Retro Search, "Multilayer Resists Materials", September 2, 2004	

Examiner	 Date	
Signature	Considered	

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STAT	STATEMENT BY APPLICANT			First Named Inventor	Sreenivasan et al.	
				Group Art Unit	2851	
(	use as many sheets	as nec	essary)	Examiner Name	Kim, Peter B.	
Sheet	4	of	4	Attorney Docket Number	PA96-38D13	

	1	U.Ş. Patent Dod	ument	U.S. PATENT DOCUMEN		Pages, Columns, Lines,
Examiner nitials*	Cite No. <sup>1</sup>	Number	Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appear
	D45	2003/0113638	A1	Mancini et al.	06-19-2003	
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Signature					Considered	

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